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教育背景

2010.12 – 2014.5 博士：香港理工大學，工業與系統工程
2006.9 – 2009.6 碩士：南開大學，系統工程
2002.9 –2006.6 學士：湘潭大學，自動化

工作經驗

2020.2 – 至今 助理教授/澳門科技大學
2018.4 – 2020.2 助理教授/深圳大學
2018.4 – 2018.8 研究員/香港理工大學
2017.3 – 2018.3 博士後/香港理工大學
2013.12 – 2017.3 副研究員/香港理工大學
2008.11 – 2010.7 研究助理/香港理工大學

教學活動

應用統計；商務統計；電子商務；資訊技術服務管理

研究領域

智能建模與優化，人工智能，新產品設計與開發，数据挖掘，消費者偏好分析

學術成果

期刊論文

Huimin Jiang, Farzad Sabetzadeh, and Chen Zhang (2024). An intelligent adaptive neuro-fuzzy inference system for modeling time-series customer satisfaction in product design. *Systems,* 12(6), 224. (SSCI Q1).

Huimin Jiang, and Farzad Sabetzadeh (2023). A Multi-Objective Optimization-Algorithm-Based ANFIS Approach for Modeling Dynamic Customer Preferences with Explicit

Nonlinearity. *Mathematics*, 11(21), 4559. (SCI Q1).

Huimin Jiang, Xianhui Wu, Farzad Sabetzadeh, and Kit Yan Chan (2023). Developing explicit customer preference models using fuzzy regression with nonlinear structure. *Complex & Intelligent Systems*, 9, 4899-4909. (SCI Q1).

Huimin Jiang, Farzad Sabetzadeh, and Kit Yan Chan (2023). Developing Nonlinear Customer Preferences Models for Product Design Using Opining Mining and Multiobjective PSO-Based ANFIS Approach. *Computational Intelligence and Neuroscience*, 2023, 6880172. (SCI Q2).

Huimin Jiang, Farzad Sabetzadeh, Zhijun Lin, and Huajun Tang (2022). Nonlinear time series fuzzy regression for developing explainable consumer preferences models based on online comments. *IEEE Transactions on Fuzzy Systems*, 30(10), 4460-4470. (SCI Q1).

Huimin Jiang, Gaicong Guo,Farzad Sabetzadeh, Kit Yan Chan (2022). Model variational consumer preferences based on online reviews using sentiment analysis and PSO-based DENFIS approaches. *Journal of Intelligent & Fuzzy Systems*, 43(3), 2407-2418. (SCI Q4).

Huimin Jiang, C.K. Kwong, G.E. Okudan Kremerc, and W.Y. Park (2019). Dynamic modelling of customer preferences for product design using DENFIS and opinion mining. *Advanced Engineering Informatics*, 42, 100969. (SCI Q1).

Huimin Jiang, C. K. Kwong, C.Y. Chan and K. L. Yung (2019). A Multi-Objective Evolutionary Approach for Fuzzy Regression Analysis. *Expert Systems with Applications*, 130(2019), 225-235. (SCI Q1).

Huimin Jiang, C.K. Kwong, W.Y. Park and K.M. Yu (2018). A multi-objective PSO approach of mining association rules for affective design based on online customer reviews. *Journal of Engineering Design*, 29(7), 381-403. (SCI Q3).

Huimin Jiang, C. K. Kwong and K. L. Yung (2017). Predicting future importance of product features based on online customer reviews. *Journal of Mechanical Design*, 139(11), 111413-1-10. (SCI Q1).

Huimin Jiang, C. K. Kwong and Woo-Yong Park (2017). Probabilistic fuzzy regression approach for preference modeling. *Engineering Applications of Artificial Intelligence*, 64(2017), 286-294. (SCI Q1).

C. K. Kwong, **Huimin Jiang** and X. G. Luo (2016). AI-based methodology of integrating affective design, engineering, and marketing for defining design specifications of new products. *Engineering Applications of Artificial Intelligence*, 47(2016), 49-60. (SCI Q1).

Huimin Jiang, C. K. Kwong, K. W. M. Siu and Y. Liu (2015). Rough set and PSO-based ANFIS approaches to modeling customer satisfaction for affective product design. *Advanced Engineering Informatics*, 29(3), 727-738. (SCI Q1).

Huimin Jiang, C. K. Kwong, Y. Liu and W. H. Ip (2015). A methodology of integrating affective design with defining engineering specifications for product design. *International Journal of Production Research*, 53(8), 2472-2488. (SCI Q2).

Huimin Jiang, C. K. Kwong, W. H. Ip and Zengqiang Chen (2013). Chaos-based fuzzy

regression approach to modeling customer satisfaction for product design. *IEEE Transactions on Fuzzy Systems*, 21(5), 926-936. (SCI Q1).

Huimin Jiang, C. K. Kwong, Zengqiang Chen and Y. C. Ysim (2012). Chaos particle swarm optimization and T–S fuzzy modeling approaches to constrained predictive control. *Expert Systems with Applications*, 39(1), 194-201. (SCI Q1).

H. M. Jiang, C. K. Kwong, W. H. Ip and T. C. Wong. (2012). Modeling customer satisfaction for new product development using a PSO-based ANFIS approach. *Applied Soft Computing*, 12(2), 726-734. (SCI Q1).

書籍章節

Huimin Jiang, C. K. Kwong, and X. G. Luo (2016). Intelligent Quality Function Deployment. Title of book: Intelligent Decision Making in Quality Management, vol. 97, 327-362. Switzerland: Springer.

學術會議論文

Huimin JIANG, Xiaotong Li, and Farzad Sabetzadeh (2025). Development of Explainable Consumer Satisfaction Models: A Nonlinear Dynamic Fuzzy Regression Methodology Based on Online Reviews. *7th International Conference on Intelligent and Fuzzy Systems - Artificial Intelligence in Human-Centric, Resilient & Sustainable Industries (INFUS2025)*, Istanbul, Turkey.

Yide Zhuang, and **Huimin Jiang** (2025). Big Data-Driven Prediction of Sentiment Trends in Online Reviews. *2025 IEEE 2nd International Conference on Big Data Science and Engineering (ICBDSE)*, Kunming.

Huimin Jiang, and Farzad Sabetzadeh (2022). Defining the Settings of Product Attributes for Product Design Using an Innovative NSGA-II. *2022 International Conference on Frontiers of Artificial Intelligence and Machine Learning (FAIML 2022)*, Hangzhou,1-8.

Huimin Jiang, Chunsheng Li, and Farzad Sabetzadeh (2021). Modelling Time Series Customer Preference Based on E-commerce Website. *Proceedings of the 2021 3rd International Conference on Economic Management and Cultural Industry (ICEMCI 2021)*, Xi'an, 3222-3227.

Huimin Jiang, Farzad Sabetzadeh, and C.K.Kwong (2021). Dynamic analysis of customer needs using opinion mining and fuzzy time series approaches. *2021 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE)*, Luxembourg, 1-6.

Huimin Jiang, Gaicong Guo, and Farzad Sabetzadeh (2021). Opinion mining and DENFIS approaches for modelling variational consumer preferences based on online comments. *Proceedings of 2nd International Conference on Advanced Intelligent Technologies (ICAIT 2021)*, Xi'an. In the book Advanced Intelligent Technologies for

Industry, 285, 229-238.

其他專業資格 / 獎項 / 活動

研究項目

2020-2022	基於在線評論的動態客戶偏好建模和產品優化研究/項目主持人/國家自然科學基金青年項目（71901149）
2023-2024	基於混沌優化的自適應神經模糊推理系統方法建立動態消費者偏好模型-具有可解釋的非線性/項目主持人/澳門科技大學研究基金(FRG-23-045-MSB)
2025-2027	基於可解釋的人工智能建模算法與時間序列數據構建動態客戶滿意度模型的研究/項目主持人/澳門科學技術發展基金（0043/2024/ITP2）